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WAR DEPARTMENT

BASIC FIELD MANUAL



Volume I

FIELD SERVICE POCKETBOOK

CHAPTER 3

**EQUIPMENT AND CLOTHING, MOUNTED
AND DISMOUNTED ORGANIZATIONS**

UNIVERSITY OF CALIFORNIA
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BASIC FIELD MANUAL



Volume I FIELD SERVICE POCKETBOOK

CHAPTER 3 EQUIPMENT AND CLOTHING MOUNTED AND DISMOUNTED ORGANIZATIONS

**Prepared under direction of the
Chief of Staff**



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GOVERNMENT PRINTING OFFICE
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WAR DEPARTMENT,
WASHINGTON, *December 31, 1937.*

Chapter 3, Equipment and Clothing, Mounted and Dis-mounted Organizations, Basic Field Manual, Volume I, Field Service Pocketbook, is published for the information and guidance of all concerned.

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BY ORDER OF THE SECRETARY OF WAR:

MALIN CRAIG,
Chief of Staff.

OFFICIAL:

E. T. CONLEY,
Major General,
The Adjutant General.

II

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BASIC FIELD MANUAL
VOLUME I
FIELD SERVICE POCKETBOOK
CHAPTER 3

**EQUIPMENT AND CLOTHING, MOUNTED AND
DISMOUNTED ORGANIZATIONS**

(The matter contained herein supersedes Basic Field Manual, Volume I, Chapter 3, March 1, 1936; TR 50-80, July 10, 1925 (including C1, February 15, 1926; C2, January 3, 1927); TR 50-85, March 31, 1927; TR 50-90, July 31, 1925; and TR 50-95, May 22, 1925.)

SECTION I

GENERAL

1. References.—The allowances of clothing and equipment referred to in this manual are prescribed in Tables of Basic Allowances. Procedure of issue, fitting, marking, accounting, and disposition is prescribed in Army Regulations. The care of arms and technical equipment is prescribed in Technical Regulations and Basic Field Manuals. The articles constituting the uniform and the wearing of the uniform are prescribed in Army Regulations.

2. Scope.—This manual prescribes the wearing, packing, and display for inspection of the field equipment pertaining to mounted and dismounted personnel; also the care of leather and web equipment used in the field.

3. Responsibility.—Regimental, separate unit, and higher commanders are primarily responsible that field equipment is maintained in condition for active service and that the dull finish of metal, leather, and painted articles is maintained as issued.

4. Care of leather.—*a. Cleaning and oiling agents.*—Two agents are essential to the proper care of leather; a cleaning

agent and an oiling agent. Castile or other mild soap is the best cleaning agent while neat's-foot oil meets the requirements for oiling. The composition of saddle soap is such that it both cleans and oils. Dubbin is particularly suited for use on shoes and boots as it contains ingredients that waterproof as well as preserve the leather.

b. Boots and shoes.—(1) Boots and shoes should have all dirt or mud removed by brushing or scraping with a dull instrument. They will then be cleaned with soap and oiled or greased. The use of hot water and drying by exposure to fire or strong heat is injurious to the leather and is prohibited.

(2) Extra shoes when issued for use in the field will be well broken in and maintained in good condition.

(3) In the field every effort will be made to keep boots and shoes in serviceable condition by cleaning and oiling or greasing as described in (1) above.

(4) In garrison, regimental, separate or higher units, commanders may prescribe that boots and shoes be polished.

c. Harness and saddlery.—(1) *Method of cleaning.*—Leather equipment in use should be wiped off daily with a damp cloth or sponge to remove mud, dirt, or other foreign substances. Under no conditions should it be cleaned by immersion in water or in running water.

(2) *Procedure in cleaning.*—(a) Separate all parts, unbuckle straps, and remove detachable parts when possible.

(b) Wipe off all surface dust and mud with a damp (not wet) sponge.

(c) Rinse out the sponge and, using very little water, make a heavy lather by rubbing it vigorously on the soap or saddle soap. When a creamy lather is obtained, clean each piece of equipment thoroughly. Each strap should be drawn its entire length through the lathered sponge to remove the dirt and sweat from the leather.

(d) After the leather has become partially dry, rub it vigorously with a soft cloth.

(e) Generally, the above will be sufficient to keep the leather in excellent condition. However, at intervals it may be necessary to oil very lightly with neat's-foot oil. In doing this, care should be taken to apply the oil sparingly on the flesh side of the leather, using light quick strokes in order to obtain even distribution.

(f) Too much oil is as injurious to leather equipment as lack of oil. It should always be applied sparingly at time intervals that can only be determined by an examination of the appearance and pliability of the leather.

d. Miscellaneous articles.—Officers' Sam Browne belts, pistol holsters, compass cases, and similar articles of leather equipment for field use will be cared for in the manner prescribed for other leather equipment.

5. Care of web equipment.—Web equipment will be washed with castile or similar mild soap and dried in the shade. Use of yellow issue soap or of commercial cleaning fluids or dyes is prohibited.

6. Care of metal parts.—Bits, curb chains, and all metal parts issued unpainted will be oiled lightly when not in use. When in use, they will be kept clean and free from rust. The removal of paint from metal parts which are issued painted is prohibited.

7. Clothing.—*a. Basis of issue.*—(1) Outer articles of uniform clothing for all grades are listed and described in AR 600-35. Authorized articles of clothing are issued to Army nurses and enlisted men in accordance with the amounts prescribed in the Table of Basic Allowances pertaining to the respective arm or service concerned. Normally, officers and warrant officers are required to provide themselves with the prescribed articles of the authorized uniform and other clothing. In the theater of operations, officers and warrant officers may be issued articles of clothing not exceeding the amounts prescribed in Tables of Basic Allowances.

(2) Organization commanders are responsible that the authorized allowance of clothing is issued to personnel of their commands, that the clothing is marked as required, and that it is used and cared for and records kept of it as prescribed by regulations. (See AR 600-35, 615-40, and 850-5.)

b. The uniform.—Organization commanders are responsible for the proper fit of the clothing of their commands. (See AR 600-35.) It is especially important that soldiers' socks and shoes are of correct size. The method prescribed in AR 850-125 for the fitting of shoes and socks will be followed wherever practicable. The uniforms of officers and enlisted men will conform in every respect to the specifications therefor and will be worn in the prescribed manner. (See AR 600-35 and

600-40.) The foregoing applies both on and off duty. In particular, the following points should be observed in wearing the uniform:

(1) The uniform should be kept clean and neat and in good repair.

(2) Missing insignia and buttons should be promptly replaced.

(3) Insignia and buttons on the service uniform during peace will be of a bright finish; in war, these devices will have a bronze finish.

(4) Insignia and buttons having a gold finish should not be polished with any abrasive but should be cleaned with ammonia and water. An abrasive will remove gold plating. Rubber bands, manila paper, or any material containing sulphur if near medals, insignia, or buttons will tarnish these devices.

(5) Overcoats, blouses, and shirts should always be worn fully buttoned.

(6) The headdress should always be worn straight. Service hats should only be worn in regulation shape and the hat cord should be sewed on. (See AR 600-40.)

8. Insignia of grade.—Insignia of grade on the service uniform are worn by officers on each shoulder loop, by warrant officers on the collar or lapel, and by noncommissioned officers and privates, first class, on each sleeve as follows:

a. General.—Four silver stars.

b. Lieutenant general.—Three silver stars.

c. Major general.—Two silver stars.

d. Brigadier general.—One silver star.

e. Colonel.—A silver spread eagle, $\frac{3}{4}$ inch in height, and $1\frac{1}{2}$ inches between tips of wings. Insignia to be made in pairs, so when worn, head of eagle will face to the front.

f. Lieutenant colonel.—A silver oak leaf, 1 inch in height, and 1 inch across.

g. Major.—A gold oak leaf, 1 inch in height, and 1 inch across.

h. Captain.—Two silver bars, each $\frac{1}{4}$ inch in width, and 1 inch in length. Bars to be $\frac{1}{4}$ inch apart.

i. First lieutenant.—One silver bar, $\frac{1}{4}$ inch in width, and 1 inch in length.

j. Second lieutenant.—One gold bar, $\frac{1}{4}$ inch in width, and 1 inch in length.

k. Warrant officer.—An eagle, rising with wings displayed, standing on a bundle of 2 arrows, all inclosed in a wreath.

l. Master sergeant (first grade).—Three chevrons and an arc of 3 bars, the upper bar of arc forming a tie to the lower chevron.

m. Technical sergeant (second grade).—Three chevrons and an arc of 2 bars, the upper bar forming a tie to the lower chevron.

n. First sergeant (second grade).—Three chevrons and an arc of 2 bars, the upper bar of arc forming a tie to the lower chevron. In the angle between lower chevrons and upper bar, a lozenge.

o. Staff sergeant (third grade).—Three chevrons and an arc of 1 bar, forming a tie to the lower chevron.

p. Sergeant (fourth grade).—Three chevrons.

q. Corporal (fifth grade) and acting corporal.—Two chevrons.

r. Private, first class (sixth grade).—One chevron.

9. Brassards.—Brassards consist of distinctive bands of cloth worn around the left sleeve between the elbow and the shoulder and are for the ready identification of persons engaged in some special work.

a. General Staff Corps.—The brassard for the General Staff Corps is grosgrain silk ribbon of the color of the appropriate headquarters, $3\frac{1}{4}$ inches in width, with the insignia of the General Staff Corps embroidered in gold in the center of the brassard.

b. Various headquarters.—The colors of the brassards for the various headquarters are as shown below. When the brassard consists of more than one color, the colors of equal width run lengthwise of the brassard.

(1) Divisions, red.

(2) Army corps, corps areas, and departments, blue and white, blue uppermost.

(3) Armies, white and red, white uppermost.

(4) Headquarters of the field forces and War Department, blue, white, and red, in order from top to bottom.

c. Miscellaneous.—(1) Brassards for the following, in the colors indicated, will be $1\frac{3}{4}$ inches in width, made of stiff cot-

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ton webbing, and equipped with sharp-tongued buckle for adjustment, as issued:

- (a) Agents and signalmen, blue.
 - (b) Guides and scouts, green.
 - (c) Orderlies and messengers, red.
 - (d) Trench cleaners (moppers up), white.
 - (e) Members of carrying parties, yellow.
 - (f) Members of salvage parties, khaki, with word "Salvage" in red block letters 1 inch in height.
- (2) Brassards for military police will be of blue cloth, 4 inches in width, with letters "M. P." in block letters 2½ inches in height, outlined in white thread.
- (3) In time of war, brassards for all persons in the military service rendered neutral by the terms of the Geneva Convention will be of white cloth with red Geneva cross of cloth in center, 4 inches in width.

10. Cap insignia and hat cords.—*a. Cap insignia.*—(1) *Cap, service.*—(a) *Officers and contract surgeons.*—Coat of arms of the United States.

(b) *Warrant officers.*—Same as given in paragraph 8k.

(2) *Cap, field.*—(a) *Insignia.*

1. *Officers of the Air Corps.*—A pair of wings with vertical silver propeller.

2. *All others.*—No insignia.

(b) *Ornamentation.*

1. *Officers.*—Piping of the color of the arm or service.

2. *All others.*—No insignia.

b. Hat cords.—(1) *General officers.*—A double cord of gold bullion with an acorn of same material.

(2) *Other officers.*—Same as for general officers, except the cord to be of gold bullion and black silk intermixed, the acorns and keeper to be of gold bullion.

(3) *Warrant officers.*—Of same dimensions as for general officers, the cord to be of silver and black silk intermixed, the acorns and keeper to be of black silk.

(4) *Enlisted men.*—To be of the color prescribed for the arm or service. When two colors are prescribed for an arm or service, the cord will be in the color first named and the acorns and keeper will be in the color of the piping.

SECTION II

OFFICERS' EQUIPMENT

11. **Web field equipment** (figs. 1 and 2).—*a. Component parts.*—The component parts of both mounted and dismounted officers' web field equipment are—

- (1) Belt, pistol.
- (2) Suspenders, pistol or revolver belt, M1936.
- (3) Bag, canvas, field, M1936.
- (4) Pocket, magazine, web, double.

b. To assemble and adjust pistol belt.—The pistol belt is assembled as shown in paragraph 14b (1). Articles carried on the pistol belt will normally be attached as prescribed below:

(1) *Prismatic compass.*—When worn, in front of right hip, in the space between the two right front suspender straps. The compass case should be placed on the belt first because some models cannot be passed over the male buckle.

(2) *Pistol.*—On right side.

(3) *Canteen.*—Over right hip.

(4) *First-aid pouch.*—At back center.

(5) *Field glasses.*—Over left hip.

(6) *Magazine pocket.*—In front of left hip, in the space between the two left front suspender straps.

(7) *Canteen.*—When field glasses are carried slung by a strap over the shoulder, the canteen will be attached to the belt over left hip to balance weight of pistol.

c. To attach suspenders to pistol belt.—Lay belt on the ground with articles attached as prescribed in *b* above, inner side of belt down. Attach snap hooks of rear suspender straps to two of the upper row of eyelets, respectively, to right and left of center of belt, point of hooks out. Attach snap hooks of right and left front suspender straps to right and left ends of belt in a similar manner so that the front strap on each side will be attached to first eyelet from buckle and the other strap to third eyelet from buckle.

d. To attach field bag to suspenders.—Place assembled pistol belt and suspenders on the body and make necessary adjustment as to length of straps. With field bag suspended by the hands in front of the body, outer side of bag toward the body,

attach snap hooks, point in, to suspender **D**-rings. Pass bag over the head to its position on the back. Position on the back of wearer may be varied by varying front and rear suspender adjustment. Disengage the rearmost of front suspender straps on each side from belt and attach them to the **D**-rings at lower, inner corners of field bag. Access to field bag may be had by disengaging snap hooks from **D**-rings of bag and passing bag over the head to front of body.

e. To assemble equipment, mounted.—The canteen may be removed from the belt, equipped with a cover, canteen, mounted, and attached to right cantle pocket. The bag, canvas, field, M1936, is not used by mounted Cavalry officers. When officers of other branches are mounted, the bag may be removed from the back and carried in a motor truck or other transportation. Its contents may be carried in saddle pockets.

12. Sam Browne belt (figs. 3 and 4).—*a. Component parts.*—The component parts of the Sam Browne belt are—

- (1) Belt, leather.
- (2) Magazine pocket, double, leather.
- (3) Two shoulder straps, leather.
- (4) Three slides, leather.

b. To attach articles.—Articles carried on the belt will normally be attached as prescribed below:

- (1) *Prismatic compass.*—When worn, in front of right hip.
- (2) *Pistol.*—On right side, attached to a belt slide.
- (3) *First-aid pouch.*—At back center, attached to a belt slide.
- (4) *Canteen.*—Over left hip, attached to a belt slide.
- (5) *Magazine pocket.*—In front of left hip.

c. To assemble belt.—The slides are placed on the belt in proper position to receive articles to be attached to them (pistol, canteen and first-aid pouch). Attach articles to belt as prescribed in *b* above. Attach shoulder straps to belt so that when the assembled belt is placed on the body the shoulder straps will be crossed in rear and brought straight down from the shoulders to the belt in front.

13. Miscellaneous articles.—Other equipment will be carried as prescribed below. Articles not mentioned may be disposed of about the person in the most advantageous manner or as prescribed by commanding officers.

a. Gas mask.—Under left arm, suspended by carrier strap passing over right shoulder.



FIGURE 1.—Officers' web field equipment (front view).

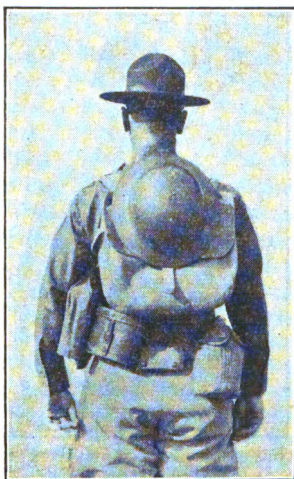


FIGURE 2.—Officers' web field equipment (rear view).



FIGURE 3.—Belt, Sam Browne, complete (front view).



FIGURE 4.—Belt, Sam Browne, complete (rear view).

b. Field glasses.—When not carried on belt, on right side suspended by a strap passing over left shoulder.

c. Field bag.—When carried with the Sam Browne belt, on left side suspended by a strap passing over right shoulder.

d. Steel helmet.—On the field bag, secured by looping chin strap about field bag suspension straps.

SECTION III

ENLISTED MEN'S EQUIPMENT

14. Infantry pack.—*a. The cartridge belt and the magazine belt.*—(1) *To assemble cartridge belt or magazine belt.*—Place adjusting strap on the ground, eyeleted edge to the front; place pocket sections on the ground in prolongation of adjusting strap, pockets down, tops of pockets to the front; insert end of adjusting strap in outer loop of metal guide from the upper side, carry it under middle bar and up through inner loop; engage hooks on the end of adjusting strap in eyelets provided on inner surface of belt. The belt should be adjusted to fit the individual.

(2) *To fill cartridge belt.*—(a) *With ammunition for U. S. rifle, caliber .30, M1903.*—Unsnap the flap of a pocket and retaining strap, if one is provided; pull retaining strap out to full length. Insert a clip of cartridges, bullets down, in front of retaining strap and press down until points of bullets rest on bottom of pocket. Snap retaining strap to its fastener. Insert a second clip, bullets down, in the same pocket, in rear of both first clip and retaining strap; press down until points of bullets rest on bottom of pocket. Close flap of pocket and snap it to its fastener. The remaining nine pockets are filled in the same manner.

(b) *With ammunition for U. S. rifle, caliber .30, M1.*—Unsnap the flap of a pocket, insert one clip of cartridges in pocket, bullets down, and refasten the flap. The remaining nine pockets are filled in the same manner.

(3) *To fill magazine belt.*—Unsnap the flap of a pocket and insert two automatic clips, base plates up, magazine catches toward buckles of belt. Refasten the flap. The remaining pockets are filled in the same manner.

b. Pistol belt.—(1) *To assemble.*—Place belt on the ground, outer side of belt down. Insert hook end of belt through slid-

ing keeper, then through unattached male buckle with stud down, double belt back through sliding keeper and secure end hook in that particular center eyelet required to give proper length. Slide magazine pouch over attached female buckle end and attach it to the fastener provided. The belt is put on with male buckle on the man's right, thus bringing magazine pouch in front of left hip.

(2) *To flil.*—Unsnap flap of magazine pouch and insert magazines in pouches, magazine base plates up, prolonged ends of magazine base plates to the right. For mounted men the prolonged ends of magazine base plates are to the left.

c. *First-aid pouch.*—(1) *To attach to cartridge belt.*—When the haversack is carried, attach first-aid pouch under fourth pocket from front of left section of cartridge belt by inserting from inside of the belt one hook of the double hook attachment in the eyelet; pinch the base of fourth pocket, bringing eyelets together; insert in same manner the other hook in the other eyelet. When the haversack is not carried, attach first-aid pouch under fifth (rear) pocket of left section of belt in the manner prescribed above. This provides room for the bayonet scabbard when carried on the belt.

(2) *To attach to magazine belt.*—Attach first-aid pouch under third pocket from front of left section of belt in the manner prescribed for the cartridge belt.

(3) *To attach to pistol belt.*—Attach first-aid pouch in fifth and sixth holes from male buckle end on right of pistol belt in the same manner as described for attaching it to the cartridge belt. (See fig. 5.)

(4) *First-aid packet.*—Place first-aid packet in the pouch with ring down and toward the body; secure the flap.

d. *To attach canteen cover.*—(1) *To cartridge belt.*—Attach canteen cover to cartridge belt under fourth or fifth pocket (depending upon waist measure of the wearer) from front of right section of belt in the manner described for attaching first-aid pouch. Place assembled canteen and cup in the canteen cover so that concave surfaces are toward the body. Secure the flaps.

(2) *To magazine belt.*—Attach canteen cover under third pocket from front of right section of magazine belt as described for attaching it to the cartridge belt.

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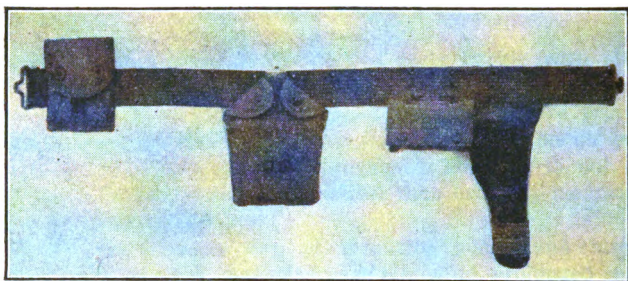


FIGURE 5.—The pistol belt.

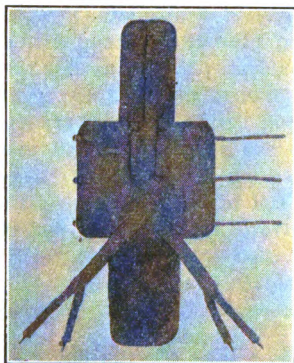


FIGURE 6.—The haversack.

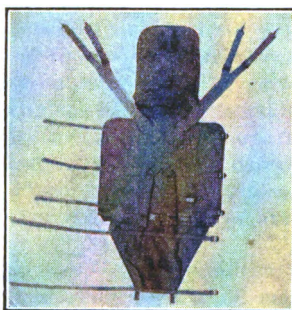


FIGURE 7.—The haversack with pack carrier attached.

(3) *To pistol belt.*—Attach canteen cover in fifth and sixth holes from female buckle end on the left of pistol belt in the manner described in (1) above. (See fig. 5.)

e. *To attach pack carrier to haversack.*—Spread haversack on the ground, inner side down, outer flap to the front. Place buttonholed edge of pack carrier, lettered side of pack carrier up, under buttonholed edge of haversack. Superimpose buttonholes of haversack upon corresponding ones of pack carrier. Lace carrier to haversack by passing the ends of coupling strap down through corresponding buttonholes of haversack and pack carrier nearest the center, bringing the ends up through next buttonholes and continuing to the right and left, respectively, to the sides. (See figs. 6 and 7.)

f. *To attach haversack.*—(1) *To cartridge belt.*—Place haversack and pack carrier (assembled) on the ground, inner side down; place cartridge belt along the junction of haversack and carrier, pockets down, tops toward the haversack; insert hooks on rear belt suspenders in upper rear eyelets of each belt section so that point of hooks will be on the outside of belt; twist front belt suspenders toward the ends of belt and insert hooks in eyelets between first and second pockets from each end of belt so that the points of the hooks will be on the outside of belt and suspenders will be flat on the body. (See fig. 8.)

(2) *To magazine belt.*—Proceed as with the cartridge belt.

(3) *To pistol belt.*—Proceed as with the cartridge belt, the hooks on the ends of front belt suspenders being inserted in the third eyelets from the buckle, and hooks on rear belt suspenders in two of the upper eyelets respectively to right and left of center of belt.

g. *To attach bayonet scabbard.*—(1) *To haversack.*—Attach scabbard by passing its lower end through loops provided on the side of haversack body; then engage double hook attachment in eyelets on outer flap of haversack, inserting hook from the under side. Place bayonet in scabbard, ring to the rear.

(2) *To cartridge belt.*—When the haversack is not carried, attach scabbard under third pocket from front of left section of cartridge belt. To do this, remove first-aid pouch from under fourth pocket and attach it under fifth pocket of left section. Place bayonet in scabbard, ring to the front.

h. To attach intrenching-tool carrier to haversack.—Fold outer flap of haversack over so that meat can pouch is uppermost; pass intrenching tool carrier underneath meat can pouch and engage double hook attachment in eyelets in flap provided, inserting hooks from the under side. Place intrenching tool in its carrier and secure it by the means provided on intrenching tool carrier. Secure intrenching tool to roll by means of third haversack binding strap.

i. To make the roll.—Spread shelter half on the ground and fold in triangular end so that shelter half forms a rectangle. Make a second fold by carrying folded edge to opposite edge. Fold blanket twice parallel to its longer axis so that blanket is now one-fourth its previous width, and then fold once at the middle so as to bring the ends together. This will form a rectangle approximately 17 by 42 inches. Place blanket symmetrically in center of folded shelter half; place underwear between folds of blanket. Place tent pole and pins on that end of the blanket from which the rolling is to begin (near end). Fold sides and then the near end of shelter half snugly over the blanket, fold 10 inches of far end of shelter half toward the blanket and, beginning at near end, roll as tightly as possible, rolling the roll into folded end of shelter half, thus making an envelope roll. (See fig. 9.)

j. To assemble full equipment with rations (fig. 10).—(1) *To pack the haversack.*—Place equipment on the ground, inside of haversack up, pockets of cartridge belt up, haversack spread out, inside flap and pack carrier extended to their full length. Place one container of hard bread on its side in the center of haversack in front of and touching line of attachment of inside flap. Place two cans of meat component end to end, parallel to and in front of can of hard bread. Place remaining can of hard bread in front of the cans of meat component. Place toilet articles and socks in front of hard bread. Fold inside flap of haversack over these articles. Fold sides of haversack over rations and toilet articles. Pass upper two binding straps through loop opposite point of attachment of the strap to haversack body. Fasten each strap by passing end of strap through the opening of its opposite buckle next to the buckle attachment, over center bar and back through opening of buckle away from attachment. Pull strap tight and make fastening secure. Fold over outer flap of haversack and

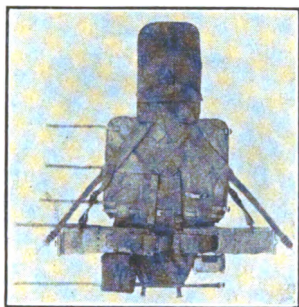


FIGURE 8.—The haversack and pack carrier (assembled) with the cartridge belt attached.

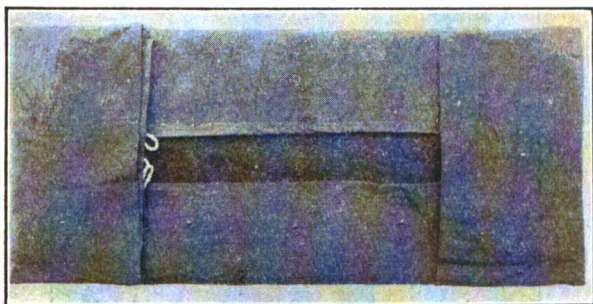


FIGURE 9.—To make the roll.

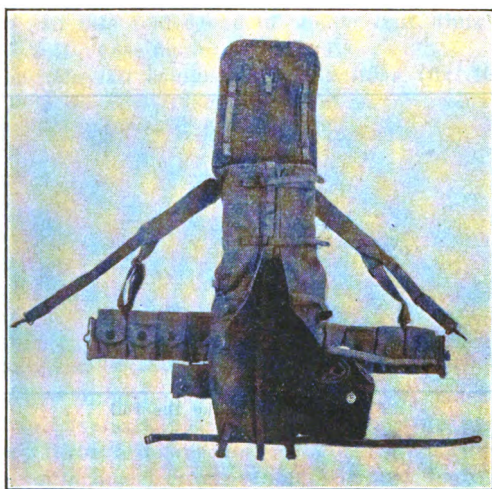
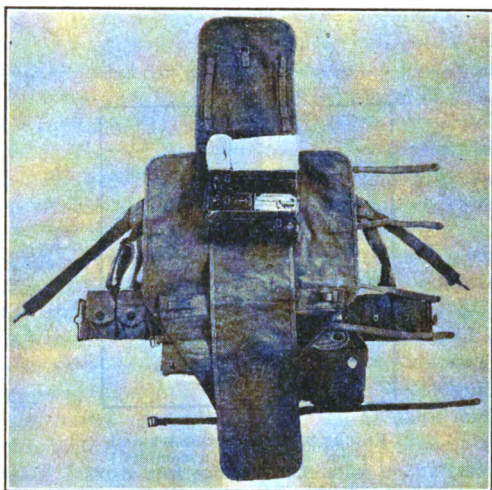


FIGURE 10.—To assemble the full equipment with rations.



FIGURE 11.—The pack assembled.



FIGURE 12.—To fold the overcoat.

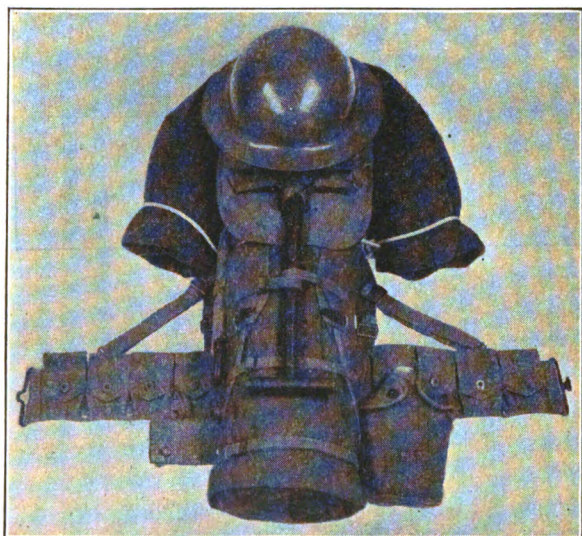


FIGURE 13.—To attach the overcoat.

fasten it by means of the lower haversack binding strap passed through the buckle on inside of outer flap. Pull strap tight, drawing outer flap snugly over filled haversack. The haversack is now packed and the carrier is ready for reception of the roll.

(2) *To assemble the pack.*—Place roll in pack carrier and haversack with one end against bottom of packed haversack. Grasp lower suspension rings, one in each hand. Place right knee against bottom of roll. Pull carrier down and force roll up close against bottom of packed haversack. Without removing the knee, fasten lower pack carrier binding strap over the roll and secure it by passing, from below, its end up through the opening of its corresponding buckle away from the buckle attachment, then over center bar and down through opening of the buckle next to buckle attachment, then back underneath the standing end of strap. In a similar manner secure third haversack binding strap and then upper carrier binding strap. Engage snap hooks on pack suspenders in lower suspension rings. (See fig. 11.)

(3) *To attach the overcoat.*—Turn sleeves inside out, place overcoat on the ground, outside down, coat smooth, collar extended, sleeves smooth and extended toward pockets; move inside flap of tail under outside flap about 6 inches and gather the slack in the coat thus caused in one fold along middle seam, tapering toward the collar. Fold bottom of front edges of coat about 12 inches toward center seam, forming an approximate parallelogram, the side of which across the coat will be 42 inches. Fold collar end down about 15 inches again at the top and roll smoothly and tightly toward the tail; turn tail up to a depth of about 9 inches, and roll entire coat into this pocket. Place the overcoat thus rolled, open side of roll down, on top of haversack, in rear of bayonet handle so that center back seam is over center of top of haversack. Secure coat at the top with a shelter half rope. Bind the ends of overcoat down and along the sides of haversack. Lash the ends of roll to haversack with the rope, using a half hitch near each end of overcoat and passing the rope around haversack over outside flap. (See figs. 12 and 13.)

(4) *To attach the raincoat.*—Fold raincoat neatly into a rectangle about $10\frac{1}{2}$ inches long by $8\frac{1}{2}$ inches wide, with out-

side of raincoat out. Place raincoat between inner and outer haversack flaps. Secure it with lower haversack binding strap by passing the latter under bottom haversack binding strap and fastening it tightly to the buckle on under side of outer haversack flap.

(5) *To attach the helmet.*—Attach the helmet by placing chin strap over meat can pouch; the chin strap is then secured by tying it on with a cord, shoe or legging laces. (See fig. 14.)

k. To assemble full equipment without rations.—(1) *To pack the haversack.*—Place equipment on the ground as hereinbefore described. Roll toilet articles and extra pair of socks in inside flap so that top of toilet articles will be on line with top of haversack body. Fold up lower haversack strap against the roll thus formed.

(2) *To assemble the pack.*—Place the roll on haversack and pack carrier with its upper end against roll formed by toilet articles. Bind it to haversack and carrier by means of haversack and carrier binding straps, turning up bottom of pack carrier so that folded edge of pack carrier will be even with bottom of roll and so that lower carrier binding strap will engage the roll. Fold down outer flap of haversack and secure it by means of middle haversack binding strap and buckle provided on under side of flap; engage snap hooks of pack suspenders in lower suspension rings.

(3) *To attach coat and helmet.*—The coat and helmet are attached as provided in *j* (3), (4), and (5) above.

(4) In order to obtain the maximum benefit from the shoulder loops in suspending the pack on the wearer, each pack should be so assembled that when the roll is carried the length of the assembled haversack and pack carrier is at least 27 inches. Commanding officers are authorized to prescribe or authorize that clothing or equipment ordinarily carried elsewhere will be packed in the ration space in the haversack so that the assembled pack will be the same length as when rations are carried. When this method is used, the pack carrier will not be folded under as prescribed in (2) above.

l. To assemble full equipment, less roll, with rations.—(1) *To pack the haversack.*—Detach carrier from haversack. Place rest of equipment on the ground as hereinbefore described. Place rations, toilet articles, and socks in middle of haver-

sack as prescribed for assembling of full equipment with rations. Fold inside flap and sides of haversack up and over. Pass the three haversack binding straps through loops on inside flap and secure them by means of the buckles on opposite side of haversack. Pass lower haversack binding strap through buttonhole in lower edge of haversack, fold outer flap of haversack over the whole and secure it by means of the buckle on its under side and lower haversack binding strap. Pass haversack suspension rings through adjoining buttonholes in lower edge of haversack and engage snap hooks on the ends of pack suspenders.

(2) *To attach coats and helmet.*—Attach overcoat, raincoat, and helmet as prescribed in *j* (3), (4), and (5) above.

m. To assemble full equipment, less roll, without rations.—

(1) *To pack the haversack.*—Detach carrier from haversack. Place rest of equipment on the ground as hereinbefore described. Fold up inside flap of haversack and form a pouch as described for assembling full equipment, less roll, with rations. Place socks and toilet articles in bottom of pouch thus formed. Fold outer flap of haversack over the whole and secure it by means of the buckle on its under side and lower haversack binding strap. Pass haversack suspension rings through adjoining buttonholes in lower edge of haversack and engage snap hooks of pack suspenders.

(2) *To attach coats and helmet.*—Attach overcoat, raincoat, and helmet as prescribed in paragraph *j* (3), (4), and (5) above.

n. To discard the roll without removing equipment from the body.—Unsnap pack suspenders from suspension rings and snap them into eyelets on top of belt and in rear of rear pockets of right and left pocket sections. Support bottom of pack with left hand, with right hand grasp coupling strap at its middle and withdraw first one side and then the other. Pull down on the roll with both hands and remove it. When the roll has been removed, lace coupling strap through buttonholes along upper edge of carrier.

o. To adjust the cartridge and the magazine belt.—Adjust the belt to fit loosely about the waist so that when buckled it may rest well down over hip bones and below pit of abdomen. Care should be taken that adjustments are made equally from both ends of adjusting strap so that center eyelet will be

in the middle of belt. The proper position of the belt is the same, whether filled or empty.

p. To adjust full equipment.—Put on equipment, slipping the arms through pack suspenders as through sleeves of a coat. By means of adjusting buckles on belt suspenders, raise or lower the belt until it rests well down over hip bones and below pit of abdomen. Raise or lower it in rear until adjusting strap lies smoothly across small of the back. By means of adjusting straps on pack suspenders, raise or lower the load on the back until the top of haversack is on a level with top of shoulders, so that pack suspenders from their point of attachment on the haversack to the shoulders will be horizontal. The latter is essential to proper adjustment of the load.

q. To adjust full equipment, less roll.—Put on equipment and adjust belt and pack suspenders as prescribed in *p* above.

r. Preparation of individual equipment for placing on transport.—Individual equipment authorized to be carried on available transport consists of pack carrier, reserve rations, barrack bag, and that which is carried in the roll (*i* above). Reserve rations are habitually carried in bulk on transport, and issued to individuals only when necessary. When so issued they will be packed in the haversack as prescribed in *j* (1) above. The roll will be prepared as prescribed in *i* above, and secured by means of the pack carrier, which will be marked for identification as prescribed in AR 850-5. Other items of individual equipment, when authorized, and when not required to be carried in the pack, will be carried on transport in the barrack bag.

s. Special equipment.—Special equipment will be carried as prescribed below. Articles which are not mentioned may be disposed of about the person in the most advantageous manner unless otherwise prescribed by commanding officers.

(1) *Ammunition carrier, 81-mm mortar.*—On top of all equipment except gas mask.

(2) *Case, dispatch.*—Suspended on right side by a strap passed over left shoulder.

(3) *Case, record.*—Suspended on left side by a strap passed over right shoulder.

(4) *Clinometer, machine-gun.*—On the belt in front of right hip.

(5) *Compass, case.*—On the belt in front of right hip.

(6) *Cutter, wire, small*.—Attached to left side of the belt immediately in front of first-aid pouch.

(7) *Gas mask*.—Worn under left arm and over all other equipment, suspended by a strap passed over right shoulder.

(8) *Glasses, field*.—On right side, suspended by a strap passed over left shoulder.

(9) *Instrument, angle of site*.—On right side, suspended by a strap passed over left shoulder.

(10) *Machete with scabbard*.—As prescribed for intrenching tool. (See *h* above.)

(11) *Pistol with holster*.—On right hip.

(12) *Pistol, Very, with holster*.—Same as pistol. When worn together, the Very pistol is worn in rear.

(13) *Pockets, magazine, web, double*.—In front of left hip.

(14) *Sight, quadrant, for 81-mm mortar*.—On left side, suspended by a strap passed over right shoulder, with telescopic sight.

(15) *Sight, 81-mm mortar*.—Suspended on left side by a strap passed over right shoulder.

(16) *Sight, telescopic, for 37-mm gun*.—On left side suspended by a strap passed over right shoulder, with quadrant sight.

(17) *Trumpet*.—Suspended on left side by a strap passed over right shoulder.

15. Display of equipment, foot troops.—For all inspections, whether indoors or in the field with or without shelter tents, equipment of foot troops will be displayed as shown in Figures 16, 17, and 18.

a. Individual equipment, dismounted men (fig. 16).—(1) The blanket is folded within shelter half exactly as blanket and shelter half are folded for rolling in assembling the infantry pack.

(2) If both overcoat and raincoat are carried, the raincoat will be displayed on top of overcoat. If only the raincoat is carried, it will replace the overcoat.

(3) Special articles of equipment issued to individuals and carried on the belt will remain attached.

(4) Foot powder and adhesive plaster when carried will be placed on the haversack inner flap on line with the extra shoe laces.

(5) Bandoleers will be displayed between the overcoat and tent pins, bottoms of pockets being flush with rear edge of blanket.

(6) The identification tag will be worn around the neck. The tag will be displayed through front of outer garment.

(7) The pistol belt will be displayed in same manner as cartridge belt. The pistol holster will be opened, pistol partly withdrawn, and magazine withdrawn to first hole. The flap of pistol magazine pocket will be opened and extra magazines withdrawn to first hole.

(8) The magazine belt will be displayed in the same manner as cartridge belt. Flaps will be opened, magazines reversed in the pockets and withdrawn slightly so that feed ends are exposed. The magazine filler will be attached to flap of left front pocket.

(9) The automatic rifle, without bipod, when displayed, will be placed, operating handle up, in the same general position as the rifle. The automatic rifle with bipod, when displayed, will be mounted on bipod in the same general position as the rifle.

(10) Automatic rifle spare parts and tools will be displayed in the space between the overcoat and tent pins, from left to right, in the following order: Oil can, combination tool, other parts according to length, the longest on the left. The spare recoil spring will be placed in rear of other parts, chamber brush in rear of recoil spring. The spare-parts pouch and two web pouches will be placed in rear of chamber brush, arranged according to size, largest on the left.

(11) Oiler and thong case of M1903 rifle will be withdrawn so that its end is even with the edge of opened oiler and thong case pocket cover. The cover of the case will be removed and placed on the stock and oiler and thong slightly withdrawn.

(12) All other articles of equipment issued to individuals, such as compass, flashlight, panel, hand grenades, field glasses, field message book, pencil, watch, gloves, housewife, trumpet, and whistle will be displayed in the extra space between overcoat and tent pins.

(13) Arms may be stacked before intervals are taken for the purpose of displaying equipment, in which case the rifle or automatic rifle will not be displayed on the ground.



FIGURE 14.—To attach the helmet.



FIGURE 15.—The full equipment.

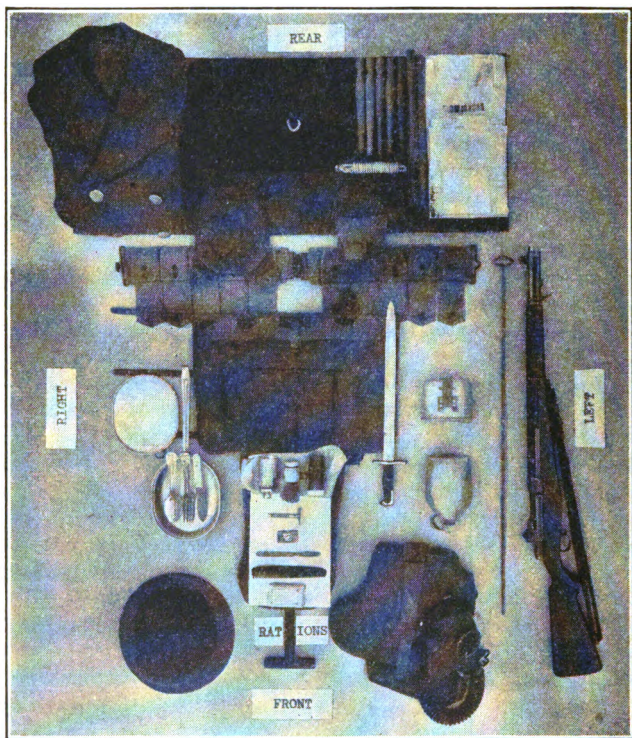


FIGURE 16.—Display of individual equipment, dismounted men (infantry).

(14) When equipment is displayed with shelter tents pitched it will be placed outside and in front of tent with rear edge of blankets on line of tent front, one corner of blanket touching the center pole.

(15) When equipment is displayed on the bed or cot, arrangement will conform in general to that prescribed herein, width of display being width of cot.

b. Individual equipment, mounted men (fig. 18).—The display of individual equipment of mounted men will be in accordance with that prescribed in *a* above and figure 16, with the following exceptions:

(1) The equipment will be displayed on shelter half, if shelter tents are not pitched. The shelter half will be laid out, buttons up and to the left, triangular end to the rear and folded on top of shelter half. If shelter tents are pitched, the blankets will be laid out on the ground in the same manner as if the shelter half was being used.

(2) The canteen cover will remain on the saddle and be displayed with mounted equipment.

c. Mounted equipment (fig. 18.).—Mounted equipment will be displayed in front of shelter half or blanket as follows:

(1) *Saddle*.—The saddle is placed seat up, pommel to the front, saddle bags immediately in front of front edge of shelter half, or as close to front edge of blanket as helmet and gas mask will permit, cincha and cincha strap crossed over seat, stirrups crossed over seat, hoods up.

(2) *Saddlebags*.—Attached to saddle, spread out flat.

(3) *Lariat and picket pin with case*.—Lariat coiled and to left of left saddlebag; picket pin case attached to and on left of lariat; picket pin to left of case.

(4) *Horse kit*.—Arranged opposite saddlebags as follows:

(a) *Currycomb*.—Teeth up, to right of right front half of right saddlebag.

(b) *Horse brush*.—Bristles up, in rear of currycomb.

(c) *Grooming cloth*.—Folded and placed in front of lariat.

(d) *Extra horseshoes*.—On top of grooming cloth.

(e) *Extra horseshoe nails*.—On top of grooming cloth.

(f) *Saddle soap container*.—To left of horseshoes.

(g) *Sponge for saddle soap*.—To left of horseshoes, in front of saddle soap container.

(5) *Rifle scabbard*.—Attached to and parallel to long edge of saddle.

(6) *Saddle blanket*.—Folded, horse side in, folded edge to front, double fold to left, across seat of saddle.

(7) *Bridle*.—Reins folded over headstall, laid on blanket, bits to right, browband up.

(8) *Surcingle*.—Folded, buckle to right, laid on rear edge of blanket.

(9) *Feed bag*.—Longer axis of bag parallel to front and on line with pommel of saddle; the "U. S." up and bottom to right.

(10) *Grain bag*.—Placed to left of feed bag, bottom to left and organization mark up.

(11) *Special articles*.—Special articles of equipment issued mounted individuals are displayed in the most convenient manner as prescribed by the commanding officer. The saddle used by the guidon carrier has a special right stirrup with a bracket in which the guidon ferrule is inserted. It is displayed in the same manner as the ordinary stirrup.

d. Officers' equipment.—Officers' equipment, if displayed, is laid out in a manner similar to that prescribed for enlisted men. (See figs. 16, 17, and 18.)

SECTION IV

CAVALRY EQUIPMENT

16. Saddle pack.—*a. General.*—(1) The method of packing the saddle of the cavalry trooper has a decided bearing on the mobility of the command. To prevent sore backs and to maintain this mobility, care must be exercised to insure even distribution of weight on the horse's back.

(2) The saddle pack of specialists, machine gunners, and noncommissioned officers varies from the prescribed basic saddle pack only to the extent required by differences in the equipment carried by each individual on his riding horse.

b. Individual articles of the pack.—The individual articles which make up the basic saddle pack are as follows:

1 bag, feed.

1 bag, grain.

1 blanket, bed.

1 canteen, cup, and cover with strap.



FIGURE 17.—Display of equipment, shelter tents pitched.

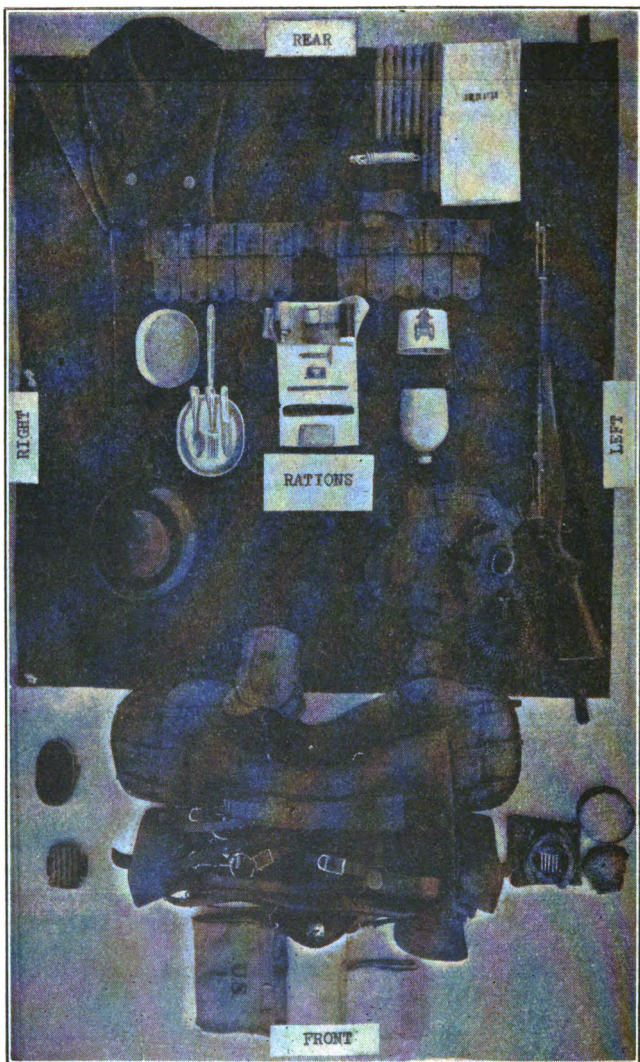


FIGURE 18.—Display of individual equipment, mounted men (infantry).

Clothing, including—

- 1 drawers, pair.
- 1 handkerchief.
- 1 laces, breeches, extra pair.
- 1 laces, shoe or boot, extra pair.
- 1 stockings, pair.
- 1 undershirt.

Horse kit, including—

- 1 brush, horse.
- 1 cloth, grooming.
- 1 currycomb.
- 2 shoes, fitted, 1 fore, 1 hind.
- 16 nails, horseshoe, in oiled pouch.
- 1 soap, saddle, in container.
- 1 sponge for saddle soap.

Mess kit, including—

- 1 fork.
- 1 knife.
- 1 meat can.
- 1 spoon.

1 ration, reserve.

1 overcoat, or raincoat, mounted.

1 rifle and scabbard.

1 surcingle.

1 tent, shelter half, including—

- 1 pole, tent, shelter.
- 5 pins, tent, shelter.
- 1 rope, tent, shelter.

Toilet set, including—

- 1 brush, shaving.
- 1 brush, tooth.
- 1 comb.
- 1 mirror.
- 1 paste or powder, tooth.
- 1 razor, safety.
- 1 soap, cake.
- 1 soap, shaving.
- 1 towel.

c. To make up the pack (basic trooper).—(1) Component parts.—The component parts of the pack are—

- (a) Saddlebags.
- (b) Cante roll.
- (c) Pommel roll.
- (d) Canteen, cup and cover, with strap.
- (e) Rifle and scabbard.
- (f) Surcingle.

(2) *Saddlebags.*—(a) The right saddlebag contains the currycomb, horse brush, grooming cloth, surcingle, saddle soap and sponge. The patch pocket contains the horseshoes and horseshoe nails.

(b) The left saddlebag contains the toilet set and clothing. The patch pocket contains the mess kit complete. When a cooked meal is carried, it may be placed in the mess kit.

(c) Reserve rations, when carried, should be equally distributed between the two saddlebags. Any unconsumed portion of the reserve ration should be placed in left saddlebag.

(3) *Cante roll.*—The following articles together make up the cante roll:

- 1 blanket, bed.
- 1 tent, shelter, half.
- 1 pole, tent, shelter.
- 5 pins, tent, shelter.
- 1 rope, tent, shelter.

(a) The shelter tent half is spread flat on the ground, buttons up. The triangular flap is folded over shelter tent half, making the latter a rectangle. The blanket is folded once through the center, parallel to short side, and again through the center perpendicular to short sides. The blanket is then laid on shelter tent half, the longer folded edge parallel to and one inch from long side of shelter tent half, opposite the buttons, the shorter folded edge toward triangular flap, the blanket equidistant from ends of shelter tent half.

(b) The tent pole, folded, is inserted in double fold of blanket, end of pole flush with shorter folded edges, the pole parallel to and fitting snugly into the double fold. The tent pins are inserted in double fold of blanket, near loose edges, placed alternately head and point and overlapping each other so as to occupy about the same space as the tent pole, the pins parallel to and fitting snugly into double fold of blanket.

This leaves a "break" of about 14 inches at center of completed roll which allows it to fit the saddle.

(c) The free ends of shelter tent half are folded over corresponding portions of the blanket, the ends of shelter tent half throughout their length being parallel to its center line. As a prevention against the ends of completed roll pulling out, the free (loop) end of tent rope is passed several times through tent pin loops on the two opposite corners of button side of shelter tent half, stretched flat and tied with a single bowknot. The button side of roll is folded back about 6 inches (as far as second button) in order to form a pocket when roll is completed, edge of pocket being parallel to edge of blanket.

(d) The blanket and shelter tent half are rolled tightly from side opposite buttons, using the hands and knees, into pocket at button side, making a tightly bound roll about 42 inches in length. The roll is then "broken" or curved to fit the cantle of saddle, with free edge of pocket uppermost and to the rear, so that this edge fits snugly against the roll and prevents entrance of rain or snow when roll is on the saddle. It is advisable for two men to work together in making up the roll.

(4) *Pommel roll*.—The following articles together make up the pommel roll:

1 bag, feed.

1 bag, grain.

1 overcoat, or raincoat, mounted.

(a) The raincoat, inside out, with collar extended, is folded once lengthwise. It is rolled tightly from folded edge toward buttons, making length of roll the same as full length of garment.

(b) If the overcoat is carried, it is rolled in the same manner as the raincoat. The raincoat and overcoat are not both carried at the same time.

(c) The grain bag, with or without grain, is secured inside the feed bag.

(5) *Canteen and cup*.—The canteen and cup are nested and secured inside the cover.

(6) *Rifle, scabbard, and surcingle*.—The rifle and scabbard, and surcingle, if unmodified saddle is used, are laid out preparatory to packing.

d. To pack the saddle.—(1) The balance of weight of the packed saddle is of so much importance that all concerned must understand the necessity for packing the saddle correctly. The pressure due to an uneven distribution of arms and equipment may cause injury to withers and back. Therefore, weight of articles attached to one side of saddle should be balanced as nearly as possible by weight of articles attached to the other side. Slightly more weight should be borne by the pommel than by the cantle.

(2) The saddle, off the horse, is placed on the ground, or otherwise as is most convenient for packing.

(3) The saddlebags are placed on the cantle and secured thereto by the attachments provided.

(4) The cantle roll is strapped to the cantle by means of the cantle straps which are wrapped three times around the roll. The straps are securely buckled and the loose ends, falling to the front, are tucked under the straps. The buckles should be far enough to the rear to prevent injury or discomfort to the trooper. The ends of the roll are pressed forward and down toward the saddlebags. The two outside straps should pass over the roll well down toward its ends in order to keep the roll curved to the shape of the cantle.

(5) The raincoat, or overcoat, collar to the left, is strapped on the pommel by means of the pommel straps. The ends of the roll are pressed in toward the horse's shoulders. If grain is carried, the feed bag and grain bag are strapped on top of the pommel roll above the raincoat or overcoat. If grain is not carried, the feed bag and grain bag are strapped under the raincoat or overcoat. The loose ends of the straps, falling to the rear, are tucked under the straps. All buckles should be far enough forward to prevent injury or discomfort to the trooper.

(6) The canteen and cup, in their cover, are snapped to the right cantle ring. The cover is fastened tight to the saddlebag by buckling the two rear saddlebag cover straps over the canteen cover strap where it passes under the bottom of the canteen cover.

(7) The rifle scabbard is secured to left side of saddle, attached to the pommel ring by the upper strap of scabbard and to cantle ring by lower strap. Both straps are so adjusted that the scabbard will hang at an angle of 30° with the verti-

cal. The rifle is not inserted in the scabbard until after the horse is saddled.

e. To saddle with packed saddle.—(1) In saddling with packed saddle, the same procedure is followed as described in Part One, Basic Field Manual, Volume V, except that even greater care should be exercised to adjust the saddle properly to the horse's back.

(2) Wherever possible, two men should work together in placing the packed saddle on the horse's back. In case only one man is available, it may be found advisable to attach saddle bags, canteen, cup and cover, and rifle scabbard after the horse has been saddled.

f. The officer's saddle pack.—The officer's saddle pack consists of two parts, one carried on the saddle of his riding horse and the other on the saddle of his led horse.

(1) The following articles are carried by the officer on the saddle (officer's field saddle) of his riding horse:

(a) 1. In the left pommel pocket—

2 horseshoes, fitted, 1 fore, 1 hind.

16 nails, horseshoe, in oiled pouch.

1 soap, saddle, in container.

1 sponge, for saddle soap.

1 surcingle.

2. In the right pommel pocket—

1 brush, shaving.

1 brush, tooth.

1 comb, hair.

1 mirror.

1 paste or powder, tooth.

1 razor.

1 soap, cake, hand.

1 soap, shaving.

1 towel.

1 flashlight.

3. In the left cantle pocket—

1 knife.

1 fork.

1 spoon.

1 meat can.

Reserve rations.

4. In the right cantle pocket—

- 1 drawers, pair.
- 1 handkerchief.
- 1 housewife.
- 1 laces, boot, extra pair.
- 1 stockings, pair.
- 1 undershirt.

(b) In addition, the officer carries on his riding horse the following:

1. One canteen, cup and cover, snapped to right side cantle ring and attached to right cantle pocket by means of two cantle bag flap straps.
2. One overcoat or raincoat, rolled, collar to left, strapped to cantle.
3. One bag, grain, in one bag, feed, strapped over pommel pockets.

(2) On his led horse (McClellan saddle) the officer carries the following:

(a) A pommel roll containing grain bag rolled inside of feed bag.

(b) The extra fitted shoes for the led horse in a container attached to right cantle of McClellan saddle.

(c) For officers below the grade of major, a cantle roll made up in a manner similar to cantle roll of basic pack but containing a bed blanket, 2 shelter tent halves, 2 poles, 2 ropes, and 10 pins.

17. Display of equipment.—The method of display of equipment described in this paragraph is prescribed for all cavalry organizations.

a. Horse cavalry.—The basic equipment includes that carried on his horse by the trooper (in ranks) of the rifle platoon, and does not include any equipment carried on his person. The display of equipment of specialists, machine gunners, and non-commissioned officers varies from that prescribed for basic equipment of the private trooper only to the extent required by differences in the equipment carried by such individuals on their mounts. Articles of equipment not common to all will be displayed in the most convenient manner or as prescribed by the commanding officer. Officers' equipment will be displayed when and in a manner prescribed by the commanding officer.

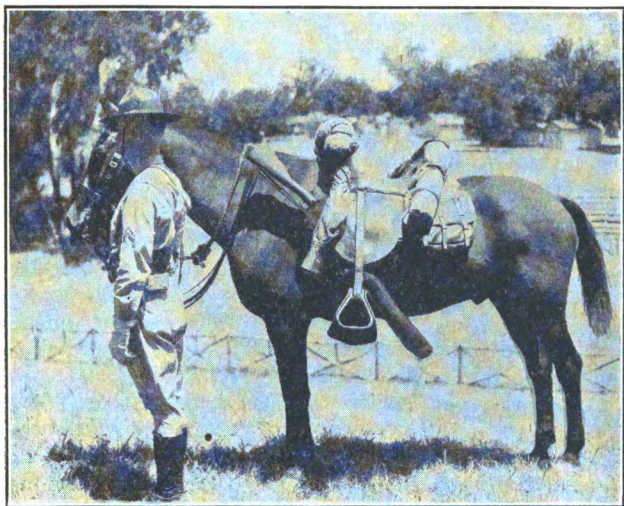


FIGURE 19.—The packed saddle, left side.

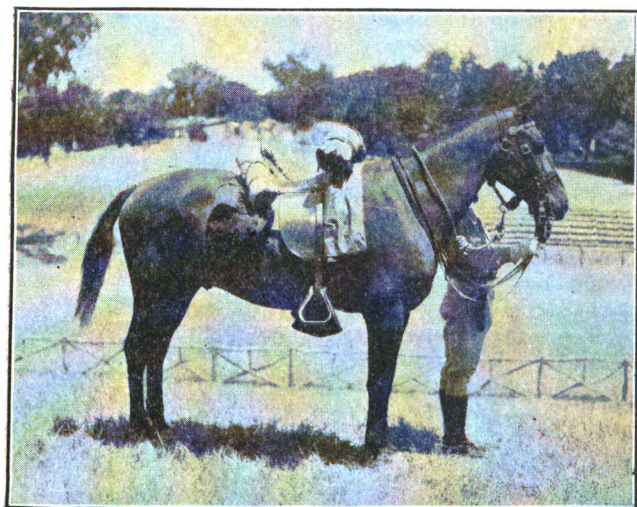


FIGURE 20.—The packed saddle, right side.

(1) *Shelter tent, pitched.*—The two occupants of a shelter tent display their equipment, each in front of his half of the tent.

(2) *Shelter tent, not pitched.*—When equipment is displayed without pitching shelter tents, the shelter tent half is laid out with triangular flap folded under tent and triangular flap end to the rear. The blanket is placed on rear of shelter half and equipment laid out on the blanket as described. The saddle and equipment are placed on front edge of shelter half. The tent poles, pins, and rope are displayed in the space between front edge of bed blanket and saddlebags, pins in a line, points to the right.

(3) *On bed or cot.*—Equipment is displayed on bed or cot in the same manner as already described except that horse equipment is displayed either near foot of bed or wherever saddle equipment may be regularly kept.

b. Mechanized cavalry.—The equipment of individuals of mechanized cavalry will be displayed as described in paragraph 15 with such modifications as may be necessary due to differences in equipment.

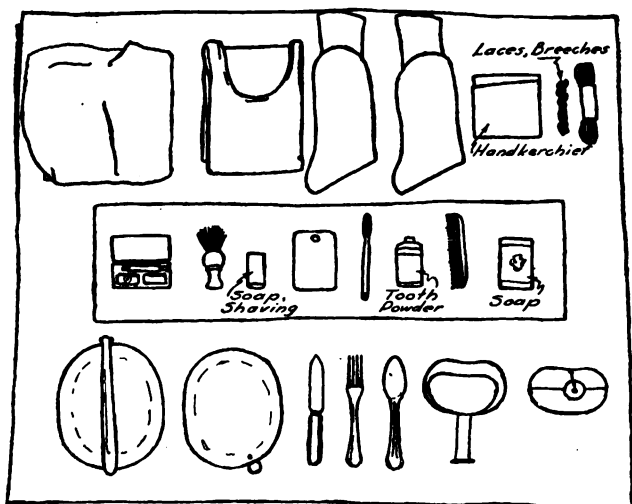


FIGURE 21.—Method of displaying items of personal equipment (cavalry).

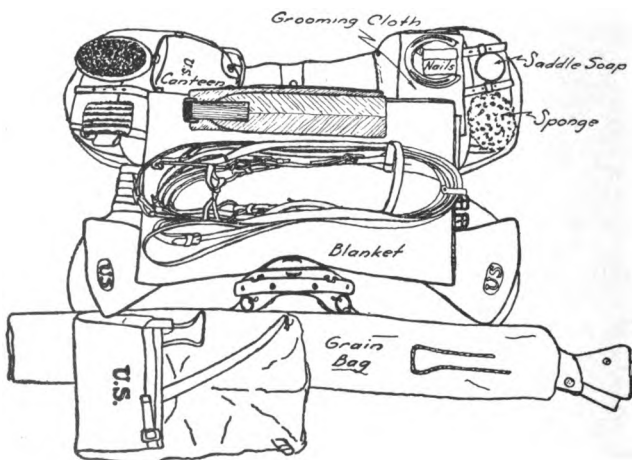


FIGURE 22.—Method of displaying items of horse equipment (cavalry).

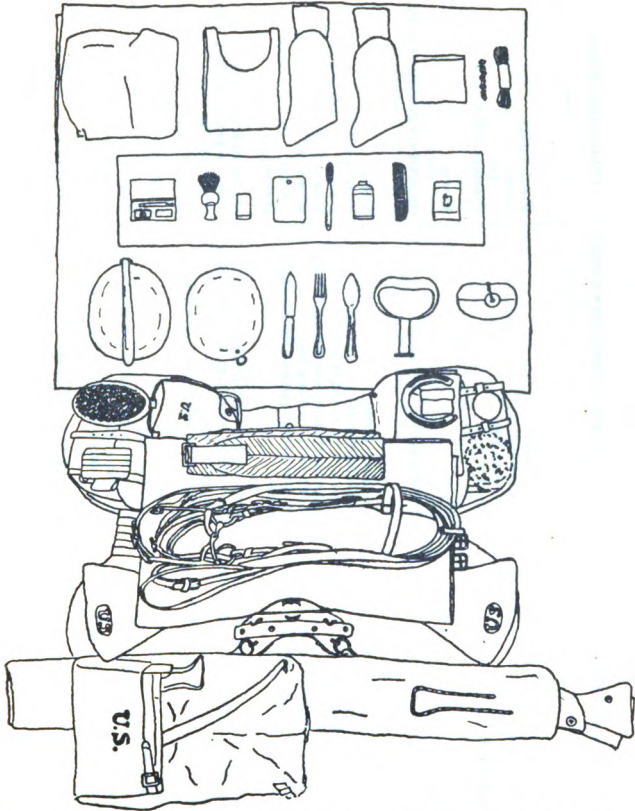


FIGURE 23.—Method of displaying items of personal and horse equipment (cavalry).

SECTION V

FIELD ARTILLERY EQUIPMENT

18. Field equipment and disposition.—The articles of field equipment of field artillery personnel and their disposition when taken into the field are shown in tables I and II below :

TABLE I.—Disposition of individual equipment, enlisted personnel (War) (*Field Artillery*)

Items of equipment	Individually mounted on horse	Drivers, horse or horse-drawn units	Other enlisted men
Bag:			
Barrack	Field train	Field train	Field train.
Grain	In feed bag	In feed bag	None.
Bags, feed	On blanket roll	On off saddle	Do.
Bar, mosquito ¹	Blanket roll	Blanket roll	Blanket roll. ²
Belt:			
Pistol ³	Worn	Worn	Worn.
Web, waist	do	do	Do.
Blanket roll	On saddle	On off saddle	On artillery carriage, trailer, or motor vehicle.
Blanket:			
Saddle	On mount	1 on each horse	None.
Wool, olive-drab	In blanket roll	In blanket roll	In blanket roll.
Breeches, pairs ¹	1 worn; 1 in blanket roll	1 worn; 1 in blanket roll	1 worn; 1 in blanket roll.
Canteen and cup	Near cantle ring, saddle	Near cantle ring, saddle, off horse	Worn, rear left hip. ³
Coat, service ¹	Worn or in barrack bag	Worn or in barrack bag	Worn or in barrack bag.
Drawers, pairs	1 worn; 1 in off pocket, saddlebags	1 worn; 1 in off pocket, saddlebags	1 worn; 1 in haversack.
Flashlight	Off pocket, saddlebags	None	Haversack.
Glasses, field	(⁴)	do	(⁴).
Gloves, any type	Near pocket, saddlebags or worn	Near pocket, saddlebags or worn	Haversack or worn.
Handkerchiefs	1 in pocket, uniform; 3 in off pocket, saddlebags	1 in pocket, uniform; 3 in off pocket, saddlebags	1 in pocket, uniform; 3 in haversack.
Hat, service, with strap, chin, leather	Worn or on off pocket, saddlebags	Worn or on off pocket, saddlebags	Worn or on haversack. ⁷
Haversack	None	None	By suspenders to belt. ²
Head net, mosquito ¹	Blanket roll	Blanket roll	Blanket roll.
Helmet, steel	Worn or on off pocket, saddlebags	Worn or on off pocket, saddlebags	Worn or on haversack.
Holster, pistol	On belt at right hip	On belt at right hip	On belt at right hip.
Horseshoes (2 per animal; 1 fore, 1 hind, fitted)	Near patch pocket, saddlebags	Near patch pocket, saddlebags	None.
Housewife	Off pocket, saddlebags	Off pocket, saddlebags	Haversack.
Kit:			
Flag	Slung, left shoulder to right side	None	Slung, left shoulder to right side.

Grooming (brush, curry-comb, cloth, sponge).	Off patch pocket, saddlebags.	None.
Mess (knife, fork, spoon, inside meat can).	Near pocket, saddlebags.	Haversack pouch.
Laces, extra pairs.	Off pocket, saddlebags.	Haversack.
Leggings, pairs.	Worn.	Worn.
Machete. ⁵	Worn, left side, belt.	Worn, left side, belt.
Mask, gas. ⁶	In carrier or worn.	In carrier or worn.
Nails, horseshoe (8 per horse-shoe).	Near patch pocket, saddlebags.	None.
Overcoat. ¹	(⁷)	(⁷).
Pistol.	In holster or pistol chest.	In holster or pistol chest.
Pocket, magazine, double web.	Left front of belt.	Left front of belt.
Pouch, first-aid.	Left rear of belt.	Right rear of belt. ⁸
Raincoat (slicker).	Same as for overcoat.	Same as for overcoat.
Ration, reserve, unconsumed part of one. ⁹	Near pocket, saddlebags.	Haversack.
Saddle, McClellan.	On each horse (part of harness).	None.
Saddlebags, pair.	On cantle of saddle of off horse.	Do.
Set, toilet. ¹⁰	In off pocket, saddlebags.	Haversack.
Shirts, flannel. ¹	1 worn; 1 in blanket roll.	1 worn; 1 in blanket roll.
Shoes, pair.	Worn.	Worn.
Socks, light wool, pairs.	1 worn; 2 off pocket, saddlebags.	1 worn; 2 in haversack.
Spurs, with straps, pair.	Worn.	None.
Suit, working, one piece.	Blanket roll.	Blanket roll.
Surcingle.	On flap, off pocket, saddlebags.	None.
Tags, identification, with tape.	Around neck under shirt.	Around neck under shirt.
Tents, shelter half, pole and pins.	In blanket roll.	In blanket roll.
Towels.	In off pocket, saddlebags.	In haversack.
Trumpet.	Slung, left shoulder to right side.	Slung, left shoulder to right side.
Undershirts.	1 worn; 1 in off pocket, saddlebags.	1 worn; 1 in haversack.
Whistle (chain hooked left shoulder loop buttonhole).	In left pocket, shirt or coat.	In left pocket, shirt or coat.

TABLE I.—*Disposition of individual equipment, enlisted personnel (War) (Field Artillery)*—Continued

- 1 Carried in barrack bag when directed by commander concerned.
 2 In motorized units, while actually in motor vehicles, the haversack with attached articles, and the canteen and cup may be removed from the person and placed in the vehicle. The method of loading such equipment, including blanket rolls, is prescribed by the organization commander.
 3 Belt, pistol, replaced by belt, magazine, for Browning automatic rifle, for enlisted men detailed as automatic riflemen.
 4 Slung from right shoulder to left side.
 5 The machete is authorized for pack artillery firing batteries and for all other firing batteries in tropical climates.
 6 The carrier is worn suspended over the other equipment as ordered at the time; contains tube of antidin. Carrier for animals is secured under jaw to halter.
 7 The overcoat is worn or carried as prescribed by organization commander.
 8 Carried as indicated, when canteen is to be carried attached to left side of belt.
 9 A second reserve ration, if carried, is distributed between both pockets of the saddlebags to equalize weights.
 10 The toilet set includes shaving brush and soap; razor; toothbrush, paste, or powder; soap; comb; mirror; all wrapped in a towel.

TABLE II.—*Disposition of individual equipment, officers and warrant officers (War) (Field Artillery)*

Items of equipment	Horse, horse-drawn, pack artillery	Motorized artillery
Bag:		
Canteen.....	Officer's saddle.....	None.
Canvas, field, olive-drab.....	Slung, left shoulder to right side. ¹	Slung, left shoulder to right side. ¹
Grain.....	In feed bag.....	None.
Bags, feed.....	1 on pommel, 1 on blanket roll.....	Do.
Bar, mosquito.....	Bedding roll.....	Bedding roll.
Basin.....	do.....	Do.
Bedding roll.....	Field train.....	Field train.
Belt:		
Officer's.....	Worn straps crossed in rear.....	Worn straps crossed in rear.
Pistol.....	Worn by warrant officer.....	Worn by warrant officer.
Belt, web, waist.....	Worn.....	Worn.
Blanket roll.....	On saddle, officer's led horse.....	In officer's car.

Blanket, saddle.....	1 on each horse.....	None.....
Blankets, wool, olive-drab.....	1 in blanket roll; 1 in bedding roll.....	1 in blanket roll; 1 in bedding roll.
Boots, pairs.....	1 worn; 1 in bedding roll.....	1 worn; 1 in bedding roll.
Breeches, pairs.....	do.....	Do.
Canteen and cup.....	Near canteen ring, officer's saddle.....	In rear of left hip, when attached to belt.
Coat, service.....	Worn or in bedding roll.....	Worn or in bedding roll.
Drawers, pairs.....	1 worn; 1 in canteen bag; 1 in bedding roll.....	1 worn; 1 in bag, canvas, field, olive-drab; 1 in bedding roll.
Flashlight.....	Off pommel pocket.....	Bag, canvas, field, olive-drab.
Glasses, field.....	Slung from right shoulder to left side, or on belt.....	Slung from right shoulder to left side, or on belt.
Gloves, any type.....	Canteen bag, or worn.....	Bag, canvas, field, olive-drab, or worn.
Handkerchiefs.....	1 in pocket, uniform; 1 in canteen bag; 4 in bedding roll.....	1 in pocket, uniform; 1 in bag, canvas, field, olive-drab; 4 in bedding roll.
Hat, service.....	Worn or on canteen bag.....	Worn or on bag, canvas, field, olive-drab.
Head net, mosquito.....	Bedding roll.....	Bedding roll.
Helmet, steel.....	Worn or on canteen bag.....	Worn or on bag, canvas, field, olive-drab.
Holster, pistol.....	On belt at right hip.....	On belt at right hip.
Horseshoes (2 per animal; 1 fore, 1 hind, fitted).....	Near pommel pocket or near patch pocket.....	None.
Housewife.....	Canteen bag.....	Bag, canvas, field, olive-drab.
Kit.....	Near pommel pocket.....	None.
Grooming (brush, currycomb, cloth, sponge).....	Off pommel pocket.....	Bag, canvas, field, olive-drab.
Mess (knife, fork, spoon, inside meat can).....	Canteen bag; bedding roll.....	Bag, canvas, field, olive-drab; bedding roll.
Laces, extra, pairs.....	Worn or bedding roll.....	Worn or bedding roll.
Leggings, pairs (in lieu of boots).....	In carrier or worn.....	In carrier or worn.
Mask, gas.....	Near pommel pocket; near patch pocket.....	None.
Nails, horseshoe (8 per horseshoe).....	Worn.....	Worn.
Necktie.....	On canteen of officer's saddle or bedding roll.....	Officer's car or bedding roll.
Overcoat (worn, or carried as indicated).....	In holster.....	In holster.
Pistol.....	Left front of belt.....	Left front of belt.
Pocket, magazine, double web.....	Pommel, officer's saddle.....	None.
Pockets, pommel, pair.....	Left rear of belt.....	Right rear of belt. ³
Pouch, first-aid.....		

TABLE II.—Disposition of individual equipment, officers and warrant officers (War) (Field Artillery)—Continued

Items of equipment	Horse, horse-drawn, pack artillery	Motorized artillery
Raincoat (slicker).....	Same as for overcoat.	Same as for overcoat.
Ration, reserve, unconsumed part of one. ¹	Off pommel pocket.....	Bag, canvas, field, olive-drab.
Saddle:		
McClellan.....	Led horse.....	None.
Officer's, field.....	On mount.....	Do.
Saddlebags, pair.....	Cantle of McClellan saddle.....	Do.
Set, toilet ²	In cantle bag.....	In bag, canvas, field, olive-drab.
Shirts, flannel.....	1 worn; 1 in bedding roll.....	1 worn; 1 in bedding roll.
Shoes, pairs (in lieu of boots).....	do.....	Do.
Socks, light wool, pairs.....	1 worn; 1 in cantle bag; others in bedding roll.....	1 worn; 1 in bag, canvas, field, olive-drab; others in bedding roll.
Spurs, with straps, pair.....	Worn.....	Worn when prescribed.
Surcingle.....	1 in near pommel pocket; 1 on off flap.....	None.
Tags, identification, with tape.....	Around neck under shirt.....	Around neck under shirt.
Tents, shelter half, pole and pins.....	In blanket roll.....	In blanket roll.
Towels (bath or hand).....	1 in cantle bag; 1 in bedding roll.....	1 in bag, canvas, field, olive-drab; 1 in bedding roll.
Undershirts.....	1 worn; 1 in cantle bag; 2 in bedding roll.....	1 worn; 1 in bag, canvas, field, olive-drab; 2 in bedding roll.
Watches, wrist.....	Worn.....	Worn.
Whistle (chain hooked left shoulder loop button hole).	In left pocket, shirt or coat.....	In left pocket, shirt or coat.

¹ Carried in organization vehicle until required for dismounted use.

² The carrier is worn suspended over the other equipment as ordered at the time; contains tube of antidim. Carrier for animals is secured under jaw to halter.

³ Carried as indicated when canteen is to be carried attached to left side of belt.

⁴ A second reserve ration, if carried, is distributed between both pockets of the saddle bags to equalize weights.

⁵ The toilet set includes hairbrush; shaving brush and soap; razor; toothbrush, paste or powder; soap; comb; mirror; all wrapped in a towel.

19. To assemble and pack equipment.—*a. Pistol belt.*—The belt having been assembled, articles of equipment attached to belt eyelets are worn in positions indicated in tables I and II.

b. Magazines and holsters.—Magazines are carried in magazine pockets with base plates up, pocket flaps snapped. The automatic-pistol holster is attached to pistol belt in fourth and fifth holes from male buckle.

c. Canteen.—Except for mounted men, the canteen, with cup, is carried in the cover, concave surface toward the body, cover flaps fastened. The canteen cover is attached to pistol belt in fifth and sixth holes from female buckle. For individually mounted men, the canteen cover is snapped to near cantle ring of saddle; for drivers, it is snapped to near cantle ring of off saddle.

d. First-aid pouch and packet.—Except for mounted men, the first-aid pouch is attached to the pistol belt in sixth and seventh holes from male buckle; for mounted individuals it is attached to sixth and seventh holes from female buckle.

e. Haversack.—The haversack and pistol belt are assembled by inserting hook of rear suspender in rear center eyelet of belt, left suspender hook in second eyelet from female buckle, right suspender hook in second eyelet from male buckle, points of suspender hooks outward. To pack the haversack, spread out haversack flaps and place thereon in order from bottom to top, rations, toilet articles, and clothing. These contents are secured by folding first inner flap, then side flaps, and tightly buckling binding straps. Fold down outer flap and secure it with straps provided, then insert mess kit in haversack pouch and buckle flap strap. The assembled belt and haversack are put on by slipping the arms through suspender loops. The length of suspenders should be such as to permit belt to rest over the hip bones, top of haversack to be on line with top of shoulders.

f. Helmet.—When not worn, the helmet, in the case of mounted enlisted men, is attached to off saddle pocket by securing chin strap under the three flap straps of saddle pocket; for other enlisted men the helmet is secured across top of haversack pouch.

g. Surcingle.—The surcingle is folded to a length equal to the width of the flap of a saddlebag pocket and is secured, buckle down, to flap above loops of flap straps. The outer

flap straps are passed through the surcingle folds, center flap strap over the folds; flap straps are then run through their loops and buckled.

h. Long roll.—(1) *Blanket roll.*—The shelter half is spread out with button side down, triangular portion to the front. Fold over triangular portion, then fold button edge under to a width of 8 inches. Fold bed blanket once across its length and lay it on shelter half, folded edge parallel to and one inch from fold of button edge of shelter half. Using extended shelter-half pole as a measure, place it on blanket parallel to button edge, centered over middle line of shelter half, and fold shelter half and blanket over the ends of pole. The pole then is removed and folded. Take position opposite to and facing button-edge fold of shelter half. Lay folded pole and pins, pole to left, on the blanket, parallel and next to bottom edge of shelter half. The clothing and mosquito bar having been placed evenly on the blanket, fold over bottom edge of shelter half with blanket to secure the pole and pins and roll the whole tightly and evenly toward button edge; the fold which was turned under now is brought back over the roll to bind it. The roll then is bound in three places, using shelter tent rope, approximately 12 inches from each end and at center. The blanket roll should be about 44 inches long.

(2) *Overcoat and raincoat.*—The garments are rolled separately but alike. To make the long roll, fold garment at its rear center seam or line, outside out and collar extended, and roll tightly from fold. The length of roll is that of garment.

i. Short roll.—The short roll is habitually used in motorized artillery.

(1) *Blanket roll.*—(a) Lay shelter half on the ground and fold over triangular part on rectangular part.

(b) Hold blanket up by two corners, shorter edges vertical; bring the two corners together, thus folding blanket in middle; take folded corner between thumb and forefinger of right hand, thumb pointing to the left; slip left hand down folded edge two-thirds of its length and seize it with thumb and second finger; raise the hands to height of shoulder, blanket extending between them; bring the hands together, double fold falling outward; pass folded corner from right hand into left hand, between the thumb and forefinger; slip sec-

ond finger of right hand between the folds and seize the double-folded corner; turn left (disengaged) corner in and seize it with thumb and forefinger of right hand, second finger of right hand stretching and evening the folds. The blanket is now folded in six thicknesses.

(c) Lay folded blanket on shelter half so that one of its shorter sides will be about 9 inches (12 for two blankets, 15 for three blankets) from the edge of shelter half farthest from triangular part. Place underclothing on blanket. Across the other short side of blanket, place shelter tent pole and pins.

(d) Fold over sides and ends of shelter half which lie outside the blanket. Commencing at the end where pole and pins are placed, roll the pack, using the hands and knees to insure roll being made as tight as possible. Just before roll is completed, slightly open out pocket formed by the 8-inch fold of shelter half, then draw the pocket over roll and bind it with rope. Care should be taken to draw the canvas over ends of roll so as to prevent rain and dust from entering inner portion of roll. The roll thus formed should be about 22 inches long.

(2) *Overcoat and raincoat.*—First, form the overcoat into a rectangle approximately 42 inches by 52 inches. This is accomplished by spreading out the overcoat, inside up, sleeves turned wrong side out and extended parallel toward bottom of coat, collar spread out, slack gathered at center seam and folded down on one side of coat, front edges turned in toward the seam for about 12 inches. Next, turn tail back for about 9 inches to form a binding pocket and turn collar side down for about 15 inches. The coat is then rolled tightly and smoothly from collar side into the pocket. In a similar manner, the raincoat is formed into a rectangle about 9 by 11 inches, rolled and bound. The outside of each garment is outside when rolled.

j. To attach rolls to carriages and vehicles.—(1) *Long rolls.*—To attach long rolls to caisson chest, extend the four blanket straps and place the 44-inch blanket rolls across top of ammunition chest in rear of bucket brackets, overcoats on top of blanket rolls and raincoats on top of overcoats; then buckle blanket straps.

(2) *Carrying rolls on motor vehicles.*—When carried on tractors, trucks, motorcycles, and passenger cars, the disposition of rolls will depend upon the particular construction of

the vehicle. Vehicles of strictly commercial type will not be provided with straps or other fastenings for securing the rolls. It will then be necessary to utilize the straps pertaining to the rolls themselves or to use ropes or special straps. It will often be preferable to dispose the rolls within the vehicles, thus reducing danger of loss and affording better protection from weather.

k. To pack feed bags.—(1) *Individually mounted men.*—(a) To pack feed bags of individually mounted men, fill the grain bag and tie mouth securely with cords. Place filled grain bag in the feed bag, mouth of grain bag down. Fold unfilled edge of feed bag over neatly and secure the bag in a roll by winding web straps of feed bag around the ends. The snap ends of strap are either snapped in the rings of feed bags or tucked under one of the turns of the straps.

(b) When grain is not carried, fold empty grain bag and place it inside the feed bag. Roll feed bag along its longer edge. Secure the ends by web strap as provided above.

(2) *Drivers.*—(a) To pack feed bags of drivers, fill the grain bags; tie mouths securely with the cords and place a filled grain bag in each feed bag, mouths of grain bags down. Roll feed bags, securing closed ends by means of web straps at those ends. Secure open ends of the two feed bags together by means of web straps at those ends of feed bags. The snap ends of the straps are either snapped in the rings on feed bags or tucked under turns in straps. The open ends of the two feed bags should be secured together as closely as possible to prevent lower ends from rubbing against the traces.

(b) When grain is not carried, fold empty grain bags and place them inside feed bags. Roll feed bags along their longer edges. The bags are secured as above.

l. To pack saddle.—(1) *Individually mounted men.*—(a) To pack the saddle of an individually mounted man, place saddlebags on cantle and secure them by attachments provided.

(b) Attach mounted canteen cover to near cantle ring by the snap of canteen strap. Place assembled canteen and cup in canteen cover so that concave surfaces are toward the horse and secure the flaps. The thongs of the canteen cover are then passed around the saddlebag and tied.

(c) Place surcingle under straps of off saddlebag flap above the loops in saddlebag flap through which the straps pass. (See *g* above.)

(d) Attach helmet to off saddlebag by buckling the three straps of saddlebag flap through the chin strap.

(e) Extend center cantle strap. Place the roll slightly in front of cantle of saddle so that when it is turned to the back of cantle, the open edge will be down. Pass center cantle strap twice around the roll, draw strap tight and buckle it. Turn roll from in front of the cantle to behind the cantle. The center of the roll should be drawn up so that it will not touch the horse's back. Place feed bag on top of center of roll, open edge down; buckle the two side cantle straps around roll and feed bag. Before buckling the three cantle straps, they should be so adjusted that the buckles will not rub either rider or horse.

(f) Pass each 60-inch coat strap under the rear quarter strap and take two or three turns around the roll about 6 inches from end of roll. The end of the strap is passed under one of the turns and buckled. The ends of the roll should be drawn well to the front before being secured. The 60-inch coat straps should be attached to saddlebag side-strap rings above saddlebag side straps to avoid twisting the rings.

(g) Place overcoat, long roll, across pommel of saddle, collar to the left. Place raincoat, long roll, on top of overcoat. Secure overcoat and raincoat by means of the three pommel straps. Before buckling the three pommel straps, they should be so adjusted that the buckles will not rub the horse's withers or cause discomfort to the rider.

(h) When the overcoat is not carried, the raincoat is packed as provided for both overcoat and raincoat, several turns of the pommel straps being taken around raincoat before buckling.

(i) Secure the end of halter tie rope to near pommel ring.

(2) *Drivers*.—To pack the saddle of the off horse, the near stirrup being passed over seat of saddle, the procedure is as follows:

(a) The saddlebags are placed on cantle and secured by attachments provided.

(b) Attach one surcingle around saddlebag flap straps on near side. The other surcingle, mounted canteen cover, and helmet are attached as provided in (1) above.

(c) **Extend center cantle strap.** Place roll on top of buckle end of cantle strap in the center of saddle so that open edge will be down. Place the two feed bags, secured together at their open ends, across seat of saddle in front of roll. Bring tongue end of cantle strap to the front over center of roll and junction of the two feed bags; take one turn around the junction of the two feed bags; pass strap to rear under roll, bring it forward over center of roll, and buckle it. Each 60-inch coat strap is passed under rear quarter strap and once around feed bag about 4 inches from the lower end, punching a throat in feed bag to prevent strap from slipping; pass each strap to rear and once around roll about 6 inches from end of roll; bring strap from under roll, over itself at the interval between feed bags; roll and buckle. The ends of roll should be drawn close to ends of feed bags before being secured. The 60-inch coat straps are attached to saddlebags as previously described in (1) above.

(d) **Extend the two pommel coat straps.** Place overcoat, long roll, across seat of saddle on top of the two pommel straps and in front of feed bags, collar to left. Place the raincoat, long roll, on top of overcoat. Secure overcoat and raincoat by means of the two pommel straps. When the overcoat is not carried, the raincoat is packed as provided for both overcoat and raincoat, several turns of the pommel straps being taken around the raincoat before they are buckled.

(e) **Secure end of halter tie rope of off horse to off pommel ring of off saddle, and that of near horse to near pommel ring of near saddle.**

m. Other equipment.—Articles, other than above, common to artillery personnel and foot troops are assembled and packed as prescribed in sections II and III.

20. Display of equipment.—*a.* For inspection, equipment of enlisted men (individually mounted, drivers of horse-drawn units, and others) is displayed as indicated in figures 24, 25, and 26, when shelter tents are not pitched.

b. The display of equipment when shelter tent is pitched is the same as for figures 24, 25, and 26, except that the bed blanket replaces the shelter half under equipment. The equipment of each individual is displayed in front of his half of the tent. (See fig. 18.)

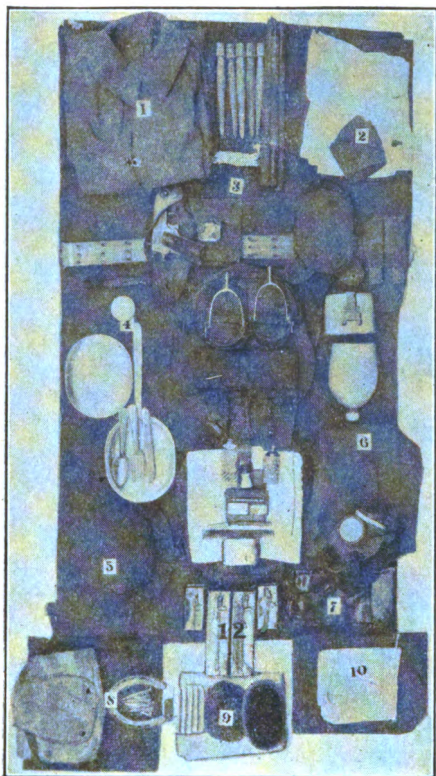


FIGURE 24.—Equipment of individually mounted man (War—field artillery).

1. Raincoat (overcoat).
2. Undershirt, drawers, socks, handkerchief.
3. Blanket.
4. Dubbin.
5. Helmet.
6. Gas mask (carrier).
7. Gloves.
8. Horse mask, horseshoes, nails.
9. Grooming kit.
10. Feed bag, grain bag.
12. Cans containing reserve rations.

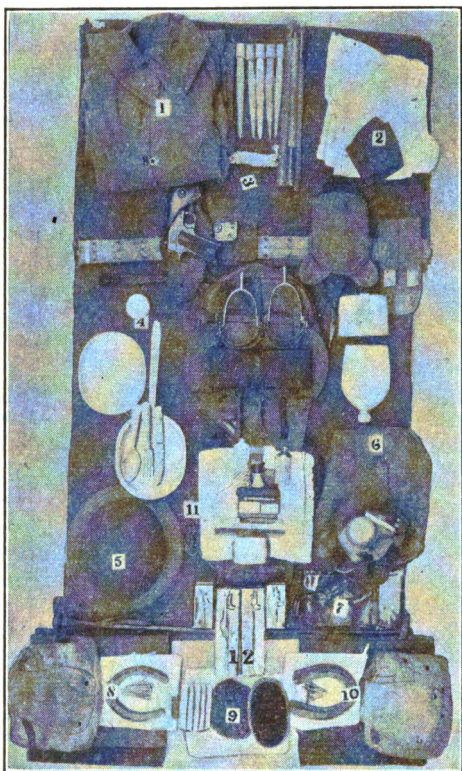


FIGURE 25.—Equipment of mounted driver
(War—field artillery).

1. Raincoat (overcoat).
2. Undershirt, drawers, socks, handkerchief.
3. Blanket.
4. Dublin.
5. Helmet.
6. Gas mask (carrier).
7. Gloves.
8. Horse mask, horseshoes, nails.
9. Grooming kit.
10. Feed bag, grain bag.
11. Surcingle, under towel.
12. Cans containing reserve rations.

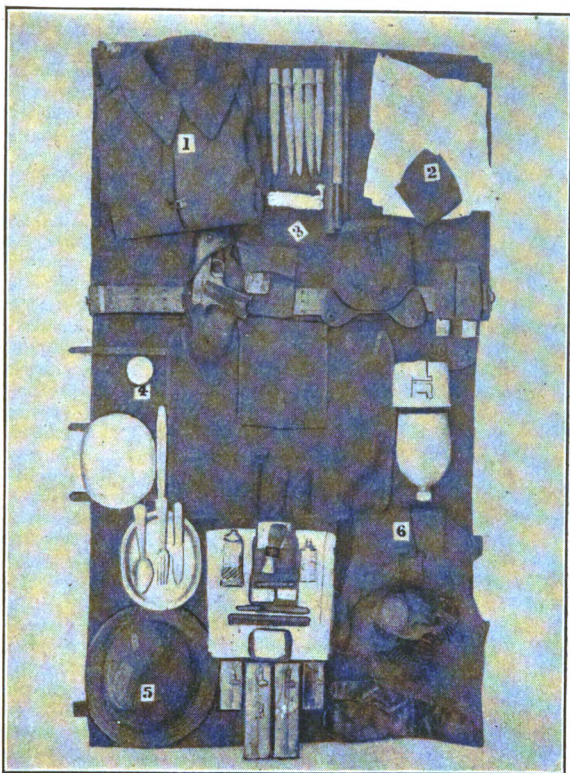


FIGURE 26.—Equipment of enlisted men other than mounted
(War—field artillery)

1. Raincoat (overcoat).
2. Undershirt, drawers, socks, handkerchief.
3. Blanket.
4. Dubbin.
5. Helmet.
6. Gas mask (carrier).
12. Cans containing reserve rations.

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